Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	CDM Smith	Date Collected:	06/26/25
Project:	South River WM Replacement	Date Received:	06/26/25
Client Sample ID:	MH-E/FMSD	SDG No.:	Q2436
Lab Sample ID:	Q2430-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88.2
Sample Wt/Vol:	50.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF142922.D	1	06/27/25 11:20	06/30/25 18:43	PB168649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	650		110	220	ug/Kg
108-95-2	Phenol	940		15.0	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980		16.5	120	ug/Kg
95-57-8	2-Chlorophenol	990		16.6	120	ug/Kg
95-48-7	2-Methylphenol	980		20.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	910		25.5	120	ug/Kg
98-86-2	Acetophenone	1000		20.0	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		27.9	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	990		32.2	54.3	ug/Kg
67-72-1	Hexachloroethane	990		12.0	120	ug/Kg
98-95-3	Nitrobenzene	970		12.4	120	ug/Kg
78-59-1	Isophorone	980		22.3	120	ug/Kg
88-75-5	2-Nitrophenol	1000		39.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	970		44.0	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	980		20.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	990		19.2	120	ug/Kg
91-20-3	Naphthalene	980		15.4	120	ug/Kg
106-47-8	4-Chloroaniline	340		24.0	120	ug/Kg
87-68-3	Hexachlorobutadiene	990		17.2	120	ug/Kg
105-60-2	Caprolactam	1100		35.4	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		19.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	980		17.4	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	1800	E	78.8	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	970		13.4	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	960		19.8	120	ug/Kg
92-52-4	1,1-Biphenyl	990		14.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	980		15.3	120	ug/Kg
88-74-4	2-Nitroaniline	1000		32.7	120	ug/Kg
131-11-3	Dimethylphthalate	1000		18.4	120	ug/Kg

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208-96-8	Acenaphthylene	980		19.6	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		22.8	120	ug/Kg
99-09-2	3-Nitroaniline	550		31.2	120	ug/Kg
83-32-9	Acenaphthene	1000		14.5	120	ug/Kg
51-28-5	2,4-Dinitrophenol	1500		160	220	ug/Kg
100-02-7	4-Nitrophenol	1900	E	72.7	220	ug/Kg
132-64-9	Dibenzofuran	980		15.4	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		34.0	120	ug/Kg
84-66-2	Diethylphthalate	1100		19.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	990		18.1	120	ug/Kg
86-73-7	Fluorene	990		17.2	120	ug/Kg
100-01-6	4-Nitroaniline	990		43.6	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	940		69.9	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		22.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		18.9	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		17.2	120	ug/Kg
1912-24-9	Atrazine	1200		23.1	120	ug/Kg
87-86-5	Pentachlorophenol	1800	E	34.8	220	ug/Kg
85-01-8	Phenanthrene	1000		14.2	120	ug/Kg
120-12-7	Anthracene	1000		22.6	120	ug/Kg
86-74-8	Carbazole	1000		21.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	1200		32.5	120	ug/Kg
206-44-0	Fluoranthene	1000		20.4	120	ug/Kg
129-00-0	Pyrene	950		24.4	120	ug/Kg
85-68-7	Butylbenzylphthalate	1200		48.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	340		24.9	220	ug/Kg
56-55-3	Benzo(a)anthracene	980		15.6	120	ug/Kg
218-01-9	Chrysene	1000		13.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1200		40.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1000		58.9	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		12.9	120	ug/Kg

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207-08-9	Benzo(k)fluoranthene	950		15.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	1000		20.0	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	920		19.8	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	910		18.6	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	890		17.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	990		17.4	120	ug/Kg
123-91-1	1,4-Dioxane	840		30.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	970		18.6	120	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	89.4		18 - 112	60%	SPK: 150
13127-88-3	Phenol-d6	90.0		15 - 107	60%	SPK: 150
4165-60-0	Nitrobenzene-d5	56.7		18 - 107	57%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.7		20 - 109	56%	SPK: 100
118-79-6	2,4,6-Tribromophenol	93.7		10 - 116	62%	SPK: 150
1718-51-0	Terphenyl-d14	53.5		10 - 105	53%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	69000	6.875			
1146-65-2	Naphthalene-d8	260000	8.157			
15067-26-2	Acenaphthene-d10	136000	9.916			
1517-22-2	Phenanthrene-d10	223000	11.404			
1719-03-5	Chrysene-d12	131000	14.051			
1520-96-3	Perylene-d12	155000	15.545			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products